

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An image forming apparatus comprising:
an operating unit ~~for accepting~~ which accepts an operation mode set command from a user;
a scanner unit ~~for reading~~ which reads an original document image optically and converting it into image data;
an image determination section ~~for determining~~ which determines the optimum operation mode for the image data read by the scanner unit on the basis of a density distribution of the image data;
a display unit ~~for which~~, when the operation mode determined by the image determination section and the operation mode specified by the user differ from each other, shows ~~showing~~ the operation mode determined by the image determination section;
a control unit ~~for setting~~ which sets the operation mode determined by the image determination section when a command is given to change the operation mode to the operation mode shown on the display unit or setting the operation mode specified by the user through the operating unit when no command is given to change the operation mode to the operation mode shown on the display unit; and
an image forming unit ~~for performing~~ which performs image formation processing on the original document image read by the scanner unit on the basis of the operation mode set by the control unit.

2. (Original) The image forming apparatus according to claim 1, wherein the scanner unit is a color scanner and the image forming unit is a color printer.

3. (Canceled)

4. (Currently Amended) The image forming apparatus according to claim 1, wherein the image determination unit determines the optimum settings for image formation of the original document image by the image forming unit on the basis of the density distribution and the amount of data from the original document image read by the scanner unit.

5 (Currently Amended) The image forming apparatus according to claim 1, wherein the image determination unit determines the optimum settings for image formation of the original document image by the image forming unit by determining whether or not the document image is a ~~high-definition image~~ complex image on the basis of ~~changes in density~~ the density distribution of the original document image read by the scanner unit.

6. (Currently Amended) An image forming apparatus comprising:
an operating unit ~~for accepting~~ which accepts an operation mode set command and a copy operation start command from a user;

a scanner unit ~~for reading~~ which reads an original document image optically and converting it into image data;

a determination section ~~for which~~, when the copy operation start command is given through the operating unit, ~~determining~~ determines whether the document image read by the scanner unit is not suitable for compression and decompression on the basis of a density distribution of the image data;

a display unit ~~for which~~, when the determination section determines that the document image is not suitable for compression and decompression, ~~showing~~ shows a guide to the effect that compression and decompression processing should not be performed on the document image if the operation mode set by the user involves compression and decompression;

a control unit ~~for setting~~ which sets an operation mode with no compression and decompression processing when it is ~~told~~ indicated through the operating unit not to perform compression and decompression in accordance with the guide shown on the display unit and setting an operation mode with no compression and decompression processing when an operation mode with no compression and decompression processing is not ~~told~~ indicated through the operating unit; and

an image forming unit ~~for forming~~ which forms the original document image read by the scanner unit on an image formed medium on the basis of the operation mode set by the control unit.

7. (Original) The image forming apparatus according to claim 6, wherein the scanner unit is a color scanner and the image forming unit is a color printer.

8. (Canceled)

9. (Currently Amended) The image forming apparatus according to claim 6, wherein the image determination unit determines whether to compress and decompress the document image or not on the basis of the density distribution and the amount of data from the original document image read by the scanner unit.

10. (Currently Amended) The image forming apparatus according to claim 6, wherein the image determination unit determines whether or not the document image is a ~~high-definition image~~ complex image on the basis of ~~changes in density~~ the density distribution of the original document image read by the scanner unit and, if the document image is a ~~high-definition image~~ complex image, determines that compression and decompression processing should not be performed on the document image.

11. (Currently Amended) An image forming method used in an image forming apparatus including an operating unit for accepting an operation mode set command from a user, a scanner unit for reading an original document image optically and converting it into image data, and an image forming unit for forming the original document image read by the scanner unit on an image formed medium on the set operation mode, comprising:

determining the optimum operation mode for the image data read by the scanner unit on the basis of a density distribution of the image data;

when the determined operation mode differs from the operation mode specified by the user, showing the operation mode ~~determined by the image determination section~~ to the user;

setting the shown operation mode when a command is given to change the operation mode to the shown operation mode or setting an operation mode specified in advance by the user when no command is given to change the operation mode to the shown operation mode; and

performing an operation of copying the original document image in the set operation mode.

12. (Original) The image forming method according to claim 11, wherein the scanner unit is a color scanner and the image forming unit is a color printer.

13. (Canceled)

14. (Currently Amended) The image forming method according to claim 11, wherein determining the optimum operation mode is to determine the optimum settings for image formation of the original document image by the image forming unit on the basis of the density distribution and the amount of data from the original document image read by the scanner unit.

15. (Currently Amended) The image forming method according to claim 11, wherein determining the optimum operation mode is to determine the optimum settings for image formation of the original document image by the image forming unit by determining whether or not the document image is a ~~high-definition image~~ complex image on the basis of ~~changes in density~~ the density distribution of the original document image read by the scanner unit.

16. (Currently Amended) An image forming method used in an image forming apparatus including an operating unit for accepting an operation mode set command and a copy operation start command from a user, a scanner unit for reading an original document image optically and converting it into image data, and an image forming unit for forming the original document image read by the scanner unit on an image formed medium in a set operation mode, comprising:

when the copy operation start command is given through the operating unit, reading the document image through the scanner unit and determining whether or not the document image is unsuitable for compression and decompression on the basis of a density distribution of the image data;

when the determination is that the document image is unsuitable for compression and decompression, showing a guide to the effect that compression and decompression processing should not be performed on the document image if an operation mode set by the user involves compression and decompression;

setting an operation mode with no compression and decompression processing when it is ~~told~~ indicated through the operating unit not to perform compression and decompression in accordance with the guide shown and setting an operation mode with no compression and decompression processing when an operation mode with no compression and decompression processing is not ~~told~~ indicated through the operating unit; and

performing an operation of copying the original document image in the set operation mode.

17. (Original) The image forming method according to claim 16, wherein the scanner unit is a color scanner and the image forming unit is a color printer.

18. (Canceled)

19. (Currently Amended) The image forming method according to claim 16, wherein determining whether or not the document image is unsuitable for compression and decompression is to determine the original document image is unsuitable for compression and decompression on the basis of the density distribution and the amount of data from the original document image read by the scanner unit.

20. (Currently Amended) The image forming method according to claim 16, wherein determining whether or not the document image is unsuitable for compression and decompression is to determine whether or not the document image is a ~~high-definition image~~ complex image on the basis of ~~changes in density~~ the density distribution of the original

document image read by the scanner unit and, if the document image is a ~~high-definition~~
~~image~~ complex image, determine that the original document image is unsuitable for
compression and decompression.